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## JP7330808A2: SOLUTION OF CHITOSAN IN DILUTE SULFURIC ACID AND ITS PRODUCTION

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Country: **JP Japan**

Kind:

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IPC Class: **C08B 37/08;**

Abstract: **Purpose:** To prepare a solution by dissolving chitosan in a dilute sulfuric acid of a specific concentration, thus isolating the fine particles of chitosan through simplified procedures in no need of expensive reagents.  
**Constitution:** This solution is prepared by dissolving chitosan in dilute sulfuric acid of 0.5-30wt.% concentration. Chitosan is brought into contact with or mixed with the dilute sulfuric acid at least 50°C and a mixture of chitosan with the dilute sulfuric acid is heated up to 50°C to form into a solution. The amount of the sulfuric acid is 0.2-10, preferably 0.8-4 fold molar amount based on the amino groups in chitosan. The concentration of chitosan is 0.5-15wt.% in the dilute sulfuric acid. The solution is cooled down below 50°C to cause precipitation of the fine particles of chitosan.  
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Other Abstract Info: **CHEMABS 124(18)235375U CAN124(18)235375U DERABS C96-074904  
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Foreign References: **(No patents reference this one)**



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